

Green River Blacksmith Drill.

No. 22.

SWINGING TABLE.

This Machine will drill as large as 1 inch. Drills to center of 15 inch circle. Diameter of balance wheel 19 inches.

Drill Bits to fit this Machine should have $\frac{1}{2}$ inch round shanks.

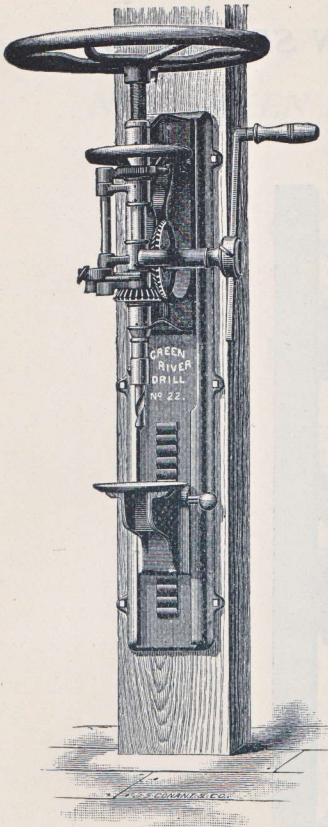
We can supply this Drilling Machine with our regular straight table or with swinging table. The swinging table has all the good points of our regular straight table, and has the additional advantage of swinging to either side, which feature is very convenient for some kinds of work and is much liked by our customers. Although not illustrated or advertised in our previous catalogues, we have been selling these machines for some time.

No. 22, with regular straight table \$20.00

With swinging table..... 22.00

Pulley for belt, extra, \$5.00.

Countershaft, extra, \$12.00.

**Green River Blacksmiths' Drill.**

No. 4.

SHOWING REGULAR STRAIGHT TABLE.

We recommend this Machine for repair shops and others having similar work to do. It is a very good Drill, stiff, well made, and capable of doing a great variety of work. We fit it for hand or power use, can supply extra screw-setting attachments for threading short bolts and tapping nuts, and also supply either style of table, viz:—straight or swinging.

It will drill as large as $1\frac{1}{2}$ inch. Diameter of balance wheel 20 inches. Drills to center of 20 inch circle. Weight 250 pounds.

It is speeded for small work when crank is applied as shown in the cut. For heavy work, and for screw cutting, the crank is placed in the wheel at the side of the machine, which multiplies the power nearly three times.

Drills to fit this machine should have $\frac{3}{4}$ inch round shanks.

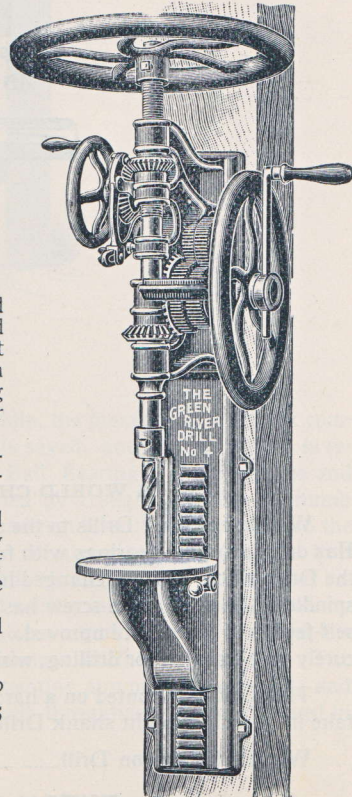
No. 4, with regular straight table..... \$70.00

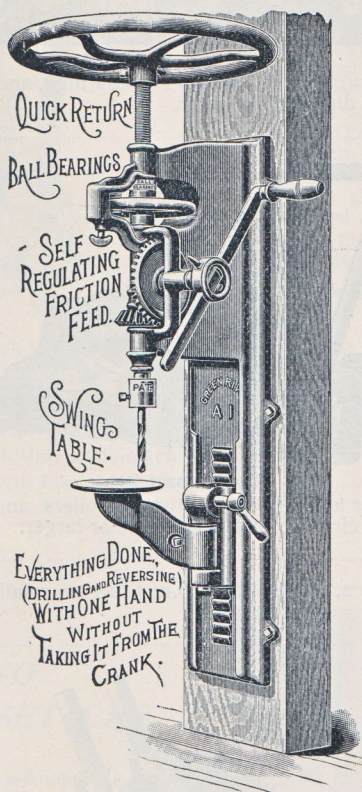
With swinging table..... 72.25

Pulley for power, extra, \$7.50.

Countershaft, extra, 12.00.

Wheel-holding attachment, extra, \$7.50.

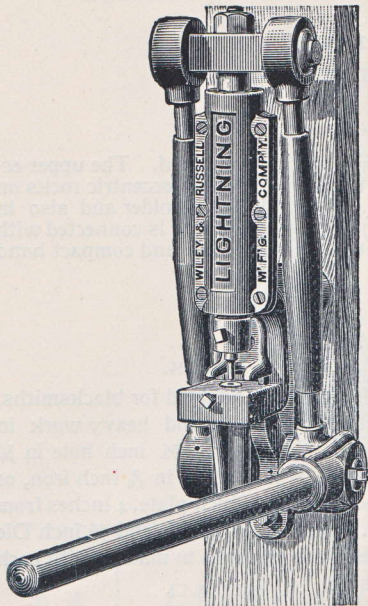


NEW GREEN RIVER DRILLING MACHINE.

NO. A 1.

The Feed Screw is cut in the solid steel of the spindle, the pressure of the work coming in but one place. By this means half the friction is saved, and the remainder is reduced to almost nothing by the use of Anti-Friction Ball Bearings, the most free and reliable bearing in the world. The Feed, which is started by a slight pressure of thumb screw, is perfectly steady and continuous (not jerky), and regulates itself according to the material being drilled. For instance, being set so as to cut a good chip in wrought iron or steel, it cuts faster through cast iron and bores rapidly through wood,—all without being readjusted. Again, the point of the Drill is lifted swiftly out of the finished hole by simply turning the crank backwards,—a great convenience and saving of time, the left hand being always free. The bed piece is iron and of unusual stiffness and solidity. The headstock is locked together in front of the spindle, preventing any possible springing and binding. The machine is thoroughly and accurately built throughout, the gears keyed in place, and everything made to stand long service.

No. A 1 Green River Drill..... Each, \$15.00.



LIGHTNING PUNCHING PRESS.

No. 1.

Will punch $\frac{1}{4}$ inch round hole in iron $\frac{1}{4}$ inch thick, or $\frac{5}{16}$ inch round hole in iron $\frac{3}{16}$ inch thick. It will punch as far as $1\frac{1}{2}$ inches from edge of the work. Supplied with Punches and Dies, $\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ inch. Unless otherwise ordered, Punches and Dies will be supplied $\frac{1}{32}$ inch over exact sizes.

The handle may be set at any angle, up or down, to suit various kinds of work.

This Machine is carefully made throughout, of the best material, and is highly approved by our customers.

No. 1 Machine, complete..... \$25.00.

Extra Punches or Dies, 50c each.

LIGHTNING PUNCHING PRESS.

No. 2.

Will punch $\frac{1}{2}$ inch hole in iron $\frac{5}{16}$ inch thick as far as $3\frac{1}{8}$ inches from edge of work. For convenience in using the larger sizes of Punches and Dies, the ratchet may be brought into play by throwing in the dog. Two handles.

Unless otherwise ordered, Punches and Dies will be supplied $\frac{1}{32}$ inch over exact sizes.

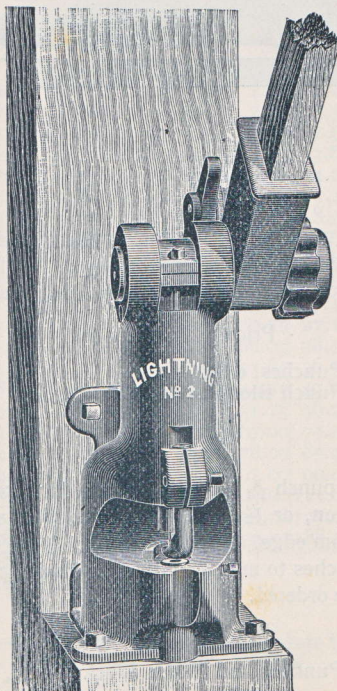
PRICES WITH PUNCHES AND DIES:

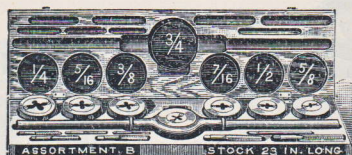
No. 2 Machine, with sizes $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ inch..... \$45.00

No. 2 Machine, with sizes $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ inch..... 47.50

Extra Punches, 50c each.

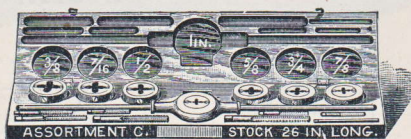
Extra Dies, 75c each.



LIGHTNING SCREW PLATES.

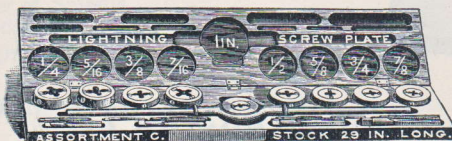
Set B— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Stock 23 inches long. Seven sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch.

Set B, Lightning Screw Plates, seven sizes, complete.....\$16.00.



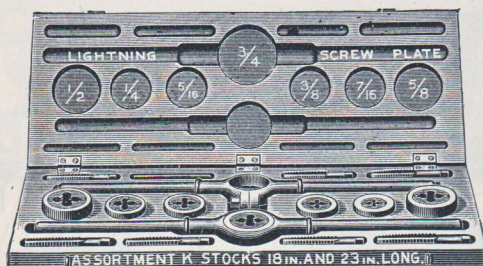
Set C 7— $\frac{3}{8}$ to 1 inch. Stock 20 inches long. Seven sizes, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, inch.

Set C, Lightning Screw Plates, seven sizes, complete.....\$22.00.



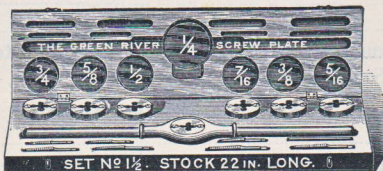
Set C 9— $\frac{1}{4}$ to 1 inch. Stock 20 inches. Nine sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch.

Set C, Lightning Screw Plates, nine sizes, complete.....\$25.50.



Set K— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Seven sizes. Two Stocks, one 18 inches long and one 23 inches long. $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch Taps, Dies and Collets.

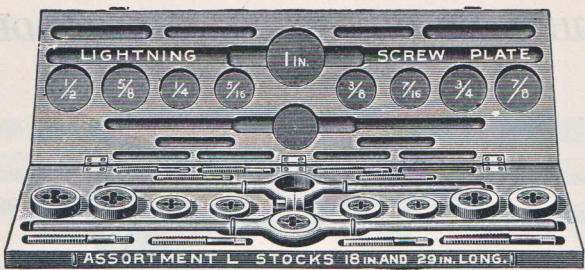
Set K, Lightning Screw Plates, seven sizes, two stocks, complete.....\$18.00.

GREEN RIVER SCREW PLATES.

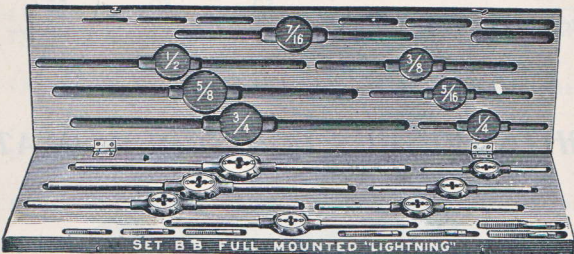
Set No. 1— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Stock 22 inches long. Seven sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch Taps, Dies and Guides. Diameter of Dies, $2\frac{3}{16}$ inches.

No. 1 $\frac{1}{2}$, Green River Screw Plates, complete, in case.....\$13.00.

LIGHTNING SCREW PLATES.



Set L— $\frac{1}{4}$ to 1 inch. Nine sizes. Two stocks, one 18 inches long and one 29 inches long, and $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 inch Taps Dies and Collets.
Set L, Lightning Screw Plate, nine sizes, two stocks, complete.....\$27.50.



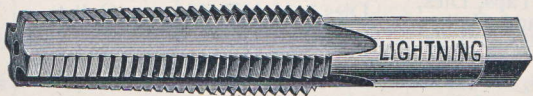
Set B B— $\frac{1}{4}$ to $\frac{3}{4}$ inch. Stock to each Die. Seven sizes, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ inch.
Set B B, Full Mounted Screw Plates, complete, in case\$18.00.

Prices of Sizes Separately--Stocks, Dies and Taps.

Inches.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price	\$1.95	2.00	2.20	2.65	3.05	3.50	4.30

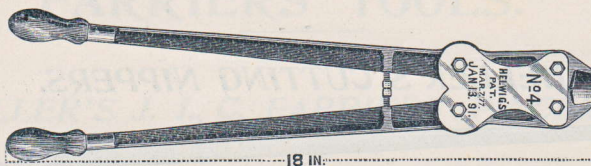
Supplied $\frac{1}{8}$ over size, V thread, unless otherwise ordered.

LIGHTNING TAPS AND DIES.



Sizes.	Threads to Inch.	Lightning Taper Taps.	Lightning Dies.
$\frac{3}{8}$	24,	\$.45	\$ 1.00
$\frac{1}{2}$	16, 18, 20,	.45	1.00
$\frac{5}{8}$	16, 18,	.50	1.00
$\frac{3}{4}$	14, 16, 18,	.55	1.15
$\frac{7}{8}$	12, 14, 16,	.60	1.30
$\frac{1}{6}$	12, 13, 14,	.70	1.50
$\frac{1}{4}$	12, 14,	.80	1.75
$\frac{5}{16}$	10, 11, 12,	.90	1.90
$\frac{3}{8}$	11, 12,	1.05	2.10
$\frac{1}{2}$	10, 12,	1.20	2.35
$\frac{5}{8}$	10,	1.40	2.60
$\frac{3}{4}$	9, 10,	1.60	3.00
$\frac{7}{8}$	9,	1.80	3.40
$\frac{1}{6}$	8,	2.00	3.75
1	7, 8,	2.25	4.40
$\frac{1}{8}$	7,	2.60	5.00
$\frac{1}{4}$	6,	3.00	5.75
$\frac{3}{8}$	6,	3.50	7.00
$\frac{1}{2}$			

HELWIG'S PATENT BOLT AND RIVET CLIPPERS.



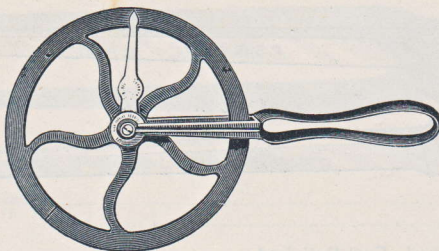
The Best and Most Powerful Bolt Clipper on the Market.

The Cutters are drop-forged of the best Jessop & Sons English Cast Steel.
The Plates are made of the Best Saw Steel.

All Parts are Interchangeable.

No. 4.	Weight, 2 lbs.	Length, 18 inches.	Cuts Bolt $\frac{5}{16}$ inch	Each, \$5.00
No. 3.	" 4 $\frac{1}{2}$ "	" 24 "	" " $\frac{7}{16}$ "	" 6.00
No. 2.	" 8 "	" 32 "	" " $\frac{9}{16}$ "	" 7.00

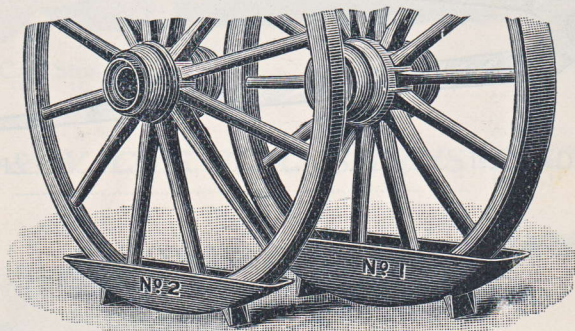
GREEN RIVER TIRE-MEASURING WHEELS==Plain.



A perfect-running Wheel, turned carefully in a Lathe.
The Wheel is a Drop-Forging.

Green River Tire-Measuring Wheel.....Each, \$1.25

SPERRY'S FELLOE OILERS.



A light Cast Iron Tank for treating the Wheels of Wagons with Linseed Oil.
If properly used, it will not only preserve your Wheels indefinitely, but will save its cost in tire-setting the first season.

No. 1, for wide tire wheels, 34 inches long, 5 inches wide, 6 inches deep.....Each, \$2.50